

Endogenous Peroxidase Blocking Reagent

Catalog No.: PA10005

Basic Information

Product name	Endogenous Peroxidase Blocking Reagent
Sizes	100 mL, 500 mL
Storage	2-8 °C
Shipping	Shipped with ice pack
Validity	12 months

Product Introduction

Endogenous Peroxidase Blocker is designed to quench endogenous peroxidase activity in tissues or cells during immunohistochemistry (IHC), immunocytochemistry (ICC), in situ hybridization (ISH), and TSA-based multiplex immunofluorescence (mIHC). Endogenous peroxidase is widely distributed in certain cells and tissues—e.g., erythrocytes, kidney, and liver—where it can generate high background or false-positive signals. Therefore, tissue or cell samples should be treated with an appropriate peroxidase blocker before staining to eliminate this interference.

This product is ready-to-use; no preparation or dilution is required.

Experimental procedure

- For immunohistochemistry (IHC), immunocytochemistry (ICC), and TSA multiplex immunofluorescence (mIHC):
 - For samples subjected to IHC, ICC, or mIHC, rinse samples with immunostaining wash buffer for 3–5 min.
 - Encircle the tissue section with a hydrophobic pen, add sufficient peroxidase blocker to completely cover the sample, and incubate at room temperature for 10–15 min.
 - Remove the blocker and rinse the sample with PBS 3 times, 3 min each. After thorough washing, proceed to blocking and primary antibody incubation.
- For in situ hybridization (ISH):
 - Before probe hybridization, add sufficient peroxidase blocker to completely cover the sample and incubate at room temperature for 10–15 min.
 - Remove the blocker and rinse 2–3 times with ISH wash buffer, 2–5 min each. Continue with hybridization and subsequent steps.

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Notes

1. For certain antigens where the peroxidase detection system is problematic, an alkaline phosphatase detection system may be used as an alternative.
2. For research use only; not intended for clinical diagnosis or therapy.
3. Wear a lab coat and disposable gloves for safety and health protection.

This product is for research use only!